

Water- and gas-based geochemical prospecting of geothermal reservoirs in the Tarapacà and Antofagasta regions of northern Chile

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Method and area of interest

- **Geochemical investigation on thermal fluid discharges (gas and water phases)**
 - **Geochemical characterization of promising geothermal areas, already explored (El Tatio) and almost unknown (Apacheta, Surire, Puchuldiza-Tuya, La Torta).**

Main Aims

- **Origin of fluids**
- **Relations with local and regional tectonics**
- **Relations with active volcanism**
- **Preliminary evaluation of the geothermal potential**